NONPAREIL CORPORATION
TIER I PERMIT APPLICATION

SUBMITTED TO:
Idaho Department of Environmental Quality
1410 North Hilton
Boise, ID 83706

Prepared By:

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May 8, 2008

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1.0 INTRODUCTION AND OVERVIEW

1.1 INTRODUCTION

Nonpareil Corporation (Nonpareil) is applying for a Title V Operating Permit (OP). Nonpareil is currently operating under PTC / Tier II Permit #P-050300 which was issued on May 9, 2007.

Nonpareil processes dehydrated potato products at its plant in Blackfoot, Idaho. The east processing boiler at the facility failed in March 2008 and a new replacement east processing boiler has been proposed in a PTC application submitted April 14, 2008. In the PTC application, Nonpareil requested to replace the existing east processing boiler with a new boiler capable of combusting natural gas or No. 2 fuel oil.

In addition to the new east processing boiler, Nonpareil has a west processing boiler as well as other combustion and process emission sources that are included in this Tier I application. Under Nonpareil's current Tier II Permit #P-050300 Nonpareil had been determined to have the following point source potential to emit:

Table 1-1 Current Tier II Permit #P-050300 Potential to Emit

CO	NO_x	SO_2	PM_{10}	VOC
63.4 tpy	114.8 tpy	248.4 tpy	164.5 tpy	5.3 tpy

The plant is currently a Title V major source for NOx, PM-10, and SO_2. The plant is a minor source for Prevention of Significant Deterioration (PSD) purposes.

With the proposed new east processing boiler, Nonpareil would have the following point source potential to emit. This potential to emit incorporates the proposed east processing boiler and existing west processing boiler combined operating scenario which results in the maximum allowable emissions. The boiler operating scenario utilized in the PTE calculations assumes the west processing boiler will utilize 2,011,500 gallons of residual fuel oil (7,450 hr/yr) and the remaining hours on natural gas and the east processing boiler will operate 8,760 hr/yr on natural gas. All other fuel burning equipment will operate 8,760 hr/yr on natural gas. The permit limits requested in this Tier I permit application are summarized below:

Table 1-2 Requested Title V Permit Limits

CO	NO_x	SO_2	PM_{10}	VOC
75.5 tpy	117.6 tpy	248.4 tpy	164.99 tpy	5.5 tpy

With the submittal of this Tier I application, Nonpareil requests that the Idaho Department of Environmental Quality (DEQ) issue a Tier I, Title V OP for its proposed new east processing boiler and all other existing equipment.

1.2 PROJECT OVERVIEW

Nonpareil has proposed to construct a new east processing boiler at their existing facility in Blackfoot, Idaho. The new boiler will replace the existing east processing boiler which failed in early March. The new boiler is capable of combusting natural gas or No. 2 fuel oil.

The replacement of the east processing boiler along with associated permit limits pertaining to both the processing boilers was the only modification that affects existing permitted equipment. There were no other changes requested in the April 14, 2008 permit application to the process or equipment currently permitted under permit P-050300.

Section 2.0 - Facility Classification, discusses general facility information and includes the certified general facility information form.

Section 3.0 - Process Description, describes and shows the Nonpareil process.

Section 4.0 – Tier I Application Forms includes Section 1.0 of the Tier I Application Forms with a certified signature.

Section 5.0 - Regulatory Applicability Analysis, presents the state and federal air quality regulations that apply to the proposed reconnection and, equally important, the regulations that do not apply.

Section 6.0 - Emissions Calculations provides detailed emission calculations, and explanations of assumptions and conventions used in determining short and long term emission levels.

Section 7.0 – Excess Emissions Documentation discusses any excess emissions experienced by Nonpareil.

Section 8.0 – Ambient Air Impact Analysis includes a copy of the modeling analysis report that was submitted with the PTC application.

Section 9.0 – Compliance Certification Plan discusses compliance demonstration by Nonpareil and provides a schedule for obtaining compliance. A compliance certification is included.

Section 10.0 – Insignificant Activities lists any insignificant activities at the Nonpareil facility.

Section 11.0 – Alternative Operating Scenario/Trading Scenarios/Permit Shield discusses any applicable alternative operating scenarios, trading scenarios, and permit shields.

Section 12.0 – Demonstration of Compliance with Toxic Standards provides an analysis of the potential impact to the ambient air from any toxic air pollutants (TAPs) and hazardous air pollutants (HAPs) emitted from Nonpareil.

2.0 FACILITY CLASSIFICATION

The Nonpareil facility is not a designated facility, as defined at IDAPA 58.01.01.006.27. Nonpareil is a major facility for PM_{10}, NO_X and SO_2 because the potential to emit (PTE) is greater than 100 tons a year. The facility is a PSD minor source as no criteria pollutant exceeds 250 tpy.

2.1 FACILITY DESCRIPTION

Nonpareil is a potato processing company that packs, processes and dehydrates various potato products. The Nonpareil Corporation has three plants, all of which are contained within the same property boundary: Idaho Potato Packers, Nonpareil Dehydrated, and Nonpareil Processing.

- Idaho Potato Packers – A fresh potato facility where potatoes are washed, sorted, sized and packaged.

- Nonpareil Dehydrated – Obtains potatoes from Idaho Potato Packers. Potatoes are peeled or not, scrubbed, sorted, sliced or diced, wet sorted, blanched, and dried to form dehydrated potato pieces including slices, dices, strips, crush, and hash browns. Unacceptable wet and some unacceptable dried potatoes are taken to Nonpareil Processing.

- Nonpareil Processing – Produces dehydrated potato flakes, flour agglomerate, dried starch, and other flake and flour-based potato products. Potatoes may be peeled and are scrubbed sorted, slabbed, precooked or not precooked, cooled, cooked, riced, and dried. Products are dried to 6% moisture and are broken up and grinded to customer specifications, packaged or stored, and then sold. This is the site where the east and west boilers are located. The process also includes dryers, flakers, peelers and baghouse equipment, which are also sources of emissions.

Descriptions of the process and the proposed boiler residual fuel reconnections are given in Section 3. Also, process flow diagrams are included in Section 3.

2.2 FACILITY LOCATION

The Nonpareil facility is located approximately 1 mile west of Blackfoot in Bingham County, Idaho. The location of Nonpareil is shown in Figure 3-3. The plant is located in Section 32, Township 2 South, Range 36 East, at Universal Transverse Mercator (UTM) Zone 12 coordinates of 388 km east, 4784 km north. The area is unclassifiable for all federal and state criteria pollutants.

3.0 PROCESS DESCRIPTION

3.1 GENERAL DISCUSSION

The process used to produce dehydrated potato product involves steam peeling, dryers, flakers, peelers and baghouse equipment for product transfer. Boilers provide the steam necessary for drying the product. Tanks are onsite to store the fuel required for the boilers and other facility equipment.

The sources of emissions have been identified in Table 3-1 below. The installation date or last modification date of each equipment item is shown in the table:

Table 3-1 Process Equipment[1]

EQUIPMENT	INSTALLATION OR MODIFICATION DATE
Starch Dryer	1961
Starch Plant Baghouse	1961
Building #3 Air Makeup	1965
Building #4 Air Makeup	1965
Flaker No. 1	1970
Flaker No. 2	1970
Flaker No. 3	1970
Flaker No. 4	1970
Flake Baghouse	1970
Dehydration North Boiler	1973
Dehydration South Boiler	1973
Dryer # 1 A Stage	1973
Dryer # 1 B&C Stage	1973
Dryer # 2 A Stage	1973
Dryer # 2 B&C Stage	1973
Dryer # 3 A Stage	1973
Boiler #6 Fuel Oil Supply Tank	1973
Fuel Oil Reserve Tank	1973
Wet Area Air Makeup	1975
Inspection Room Roof Air Makeup	1975
Dehydration Steam Peeler	1984
Processing Peeler Exhaust	1985
Grinding Circuit No. 1 Baghouse	1988
Packing Baghouse No. 1	1988
Packing Baghouse No. 2	1988
Dryer # 3 B&C Stage	1989

[1] Specifications for the fuel burning and process equipment are provided on the appropriate IDEQ Tier I Application Forms, Sections 2 through 8.

Dryer # 4 A Stage	1989
Dryer # 4 B Stage	1989
Dryer # 5 C Stage	1989
South Dryer Room 4&5 Air Makeup	1989
Dehydration Research Dryer	1989
Crush-room Baghouse No. 1	1989
Crush-room Baghouse No. 2	1989
Reblend Room Air Makeup	1990
South Dryer Room 4&5 Roof Air Makeup	1991
Dehydration Bin Dryer	1991
Gasoline Fuel Tank	1991
Processing West Boiler	1992
Dryer # 4 C Stage	1992
Dryer # 5 A Stage	1992
Dryer # 5 B Stage	1992
Flaker No. 5	1992
Scratch Match Dryer	1997
Scratch Match Air Makeup	1997
Scratch Mash Baghouse	1997
Grinding Circuit No. 2 Baghouse	1997
IPP Diesel Fuel Tank	1998
Jet Fuel "A" Tank	1998
Processing East Boiler	2008

3.2 DISCUSSION OF THE DEHYDRATION PROCESS

Nonpareil is a potato processing company. Their process primarily involves potato dehydration to make potato flakes, dices and slices. The process includes dryers and dehydration lines, which are also sources of emissions.

Initially potatoes are received at the plant on trucks and are unloaded into storage, with much of the rock and silt removed prior to storage. They are taken from the storage cellars for processing using cold water to transport and wash the potatoes. The potatoes are conveyed to a raw sort table where rot, sticks and other debris are removed. Waste products from this process, and from the processes described below, are used for cattle feed.

The potatoes enter a steam peeler, where they are exposed to steam for a brief period of time. This loosens the peeling prior to the brush peeling/washing stage. The steam is exhausted and quenched in a water bath. Excess steam may exhaust out the roof but most, if not all, of the steam is quenched by cool water and sent to land application. The peeling is fully removed by dry scrubbing which is done by revolving brushes.

In the flake line, the potatoes are sent to a pre-cooker, which blanches the material. This operation gelatinizes the starch. Potatoes are then cooled to retrograde the starch gelatinization for better texture and taste. The potatoes are water transported into cookers where they are exposed to steam to fully cook the potato. The potatoes are riced, forced through slots and broken into smaller pieces like mash, and added to the dehydration rolls.

The mashed/riced potatoes are spread across the face of the drum dryers with applicator rolls. Only whole cells stick to the drum. The steam drum dryer rotates and drives the moisture from the potato cells. The dryers are heated with steam from the boilers. The main dehydrated moisture is removed from the drum dryer stack.

The dried potato sheet is cut off the drum and broken into smaller pieces. Good flake goes to mills where it is cut into desired particle size and density (as required by customers) and air transported to product separation baghouses. The vacu-lift units either move dehydrated product or separate dust from the product and are powered by electrical fans. The flake is then bagged and placed into large totes for storage. The baghouse units move dehydrated product to bagging and/or tote filling stations, or remove dust from the areas these units service. Bagged product is sent to warehouses for storage or sent directly to shipping.

3.3 EQUIPMENT DESCRIPTIONS

Steam Peeler: Steam peelers combine steam and a vacuum to effectively explode potato peels away from the body of the potatoes. Pressure peelers bring potatoes in through a pressure valve into a high-pressure chamber that uses steam to scald the potatoes. The steam permeates just below the peel, and then a vacuum is drawn on the system that causes the trapped steam to explode away the peel. The potatoes then are passed through a relief valve to return to atmospheric pressure.

Pre-cooker/Blancher: This equipment is designed to prepare the potatoes for the drum dryers by heating them so they are easier to spread. Water constantly flows from the top of the pre-cooker at a high volume, heating the whole potatoes to a precise, uniform internal temperature as they pass through the unit on a stainless steel conveyor belt.

Drum Dryer: The drum dryer has steam rotary drum and a scraper blade to scrape material dried on the drum surface. The basic need of a drum dryer is to evaporate water particle from the blanched potatoes processed in the pre-cookers with the dried material to be scraped and collected.

Flakers: Flakers are for the conversion of materials from a liquid state to solid flakes in a single operation. This change of state is achieved by applying a film of the material to be flaked to the outer surface of a horizontal rotating drum, which is cooled internally by means of water. As the drum rotates, the liquid film solidifies and is subsequently removed from the drum surface by a doctor blade or knife.

Single-Stage Dryers: These dryers consist of a single conveyor that carry product through the multiple zones of the dryers. Each zone varies in operating temperature and airflow. By using the zone arrangements, temperature and airflow efficiencies can be optimized during periods of maximum evaporation. Bed depth is held uniform through-out the process, resulting in an accurate and predictable drying rate with the highest possible drying efficiency.

Multi-Stage Dryers: Theses dyers incorporate a series of single-stage, multizone units. It is ideal for products with a high incoming moisture content, which would benefit from reorientation by transferring between conveyor belts at the ideal time in their drying cycle. Product bed depth and air flow vary between stages based on the product's drying curve. Discrete zones allow both air flow and temperature to be independently altered to maintain proper process parameters.

3.4 BOILER OPERATION

Currently, Nonpareil operates their east and west process boilers on natural gas. The boilers also are capable of combusting fuel oil. The west boiler is capable of combusting No. 6 fuel oil and the new east boiler will have the capability of operating on No. 2 fuel oil. Only one boiler at a time will operate on fuel oil. The No. 6 residual fuel oil sulfur content shall not exceed 1.55% sulfur by weight and the No. 2 distillate fuel oil sulfur content shall not exceed 0.5% sulfur by weight.

Nonpareil has the option of using emulsifier at all times if the boilers are source tested while using emulsifiers. If Nonpareil chooses to use an emulsifier, it will use it at all times and during source testing.

3.5 NONPAREIL DIAGRAMS AND MAPS

This section contains the maps and diagrams necessary to accurately show Nonpareil's process and facility. Nonpareil's process flow diagrams for the dehydration and processing plants are shown in Figures 3-1 and 3-2 (a flow diagram for the Potato Packer Plant is not shown because it is a fresh potato facility and generates no emissions). A location map is shown in Figure 3-3. A facility site plan is shown in Figure 3-5.

Figure 3-1 Process Flow Diagram

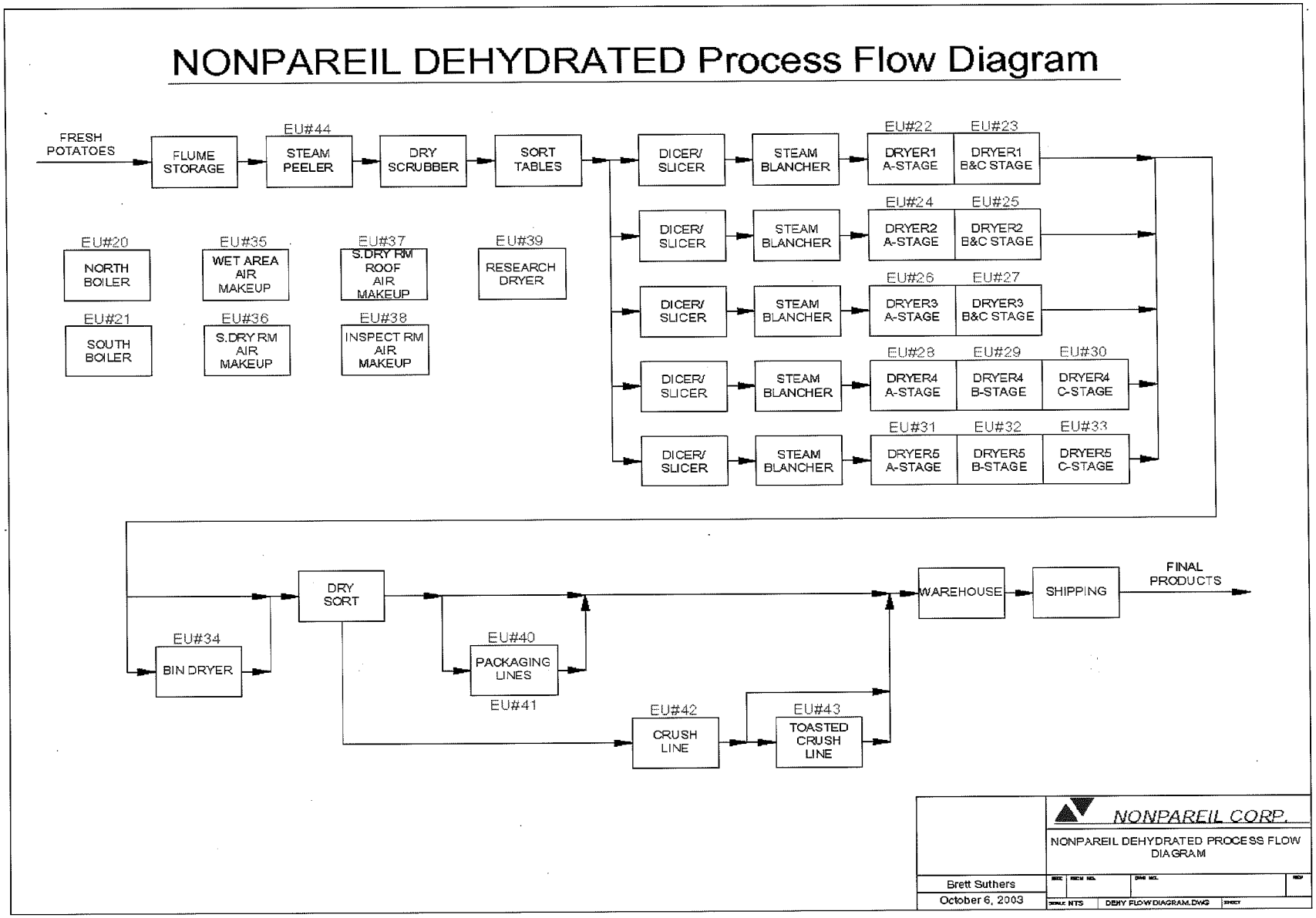

Figure 3-2 Process Flow Diagram (Continued)

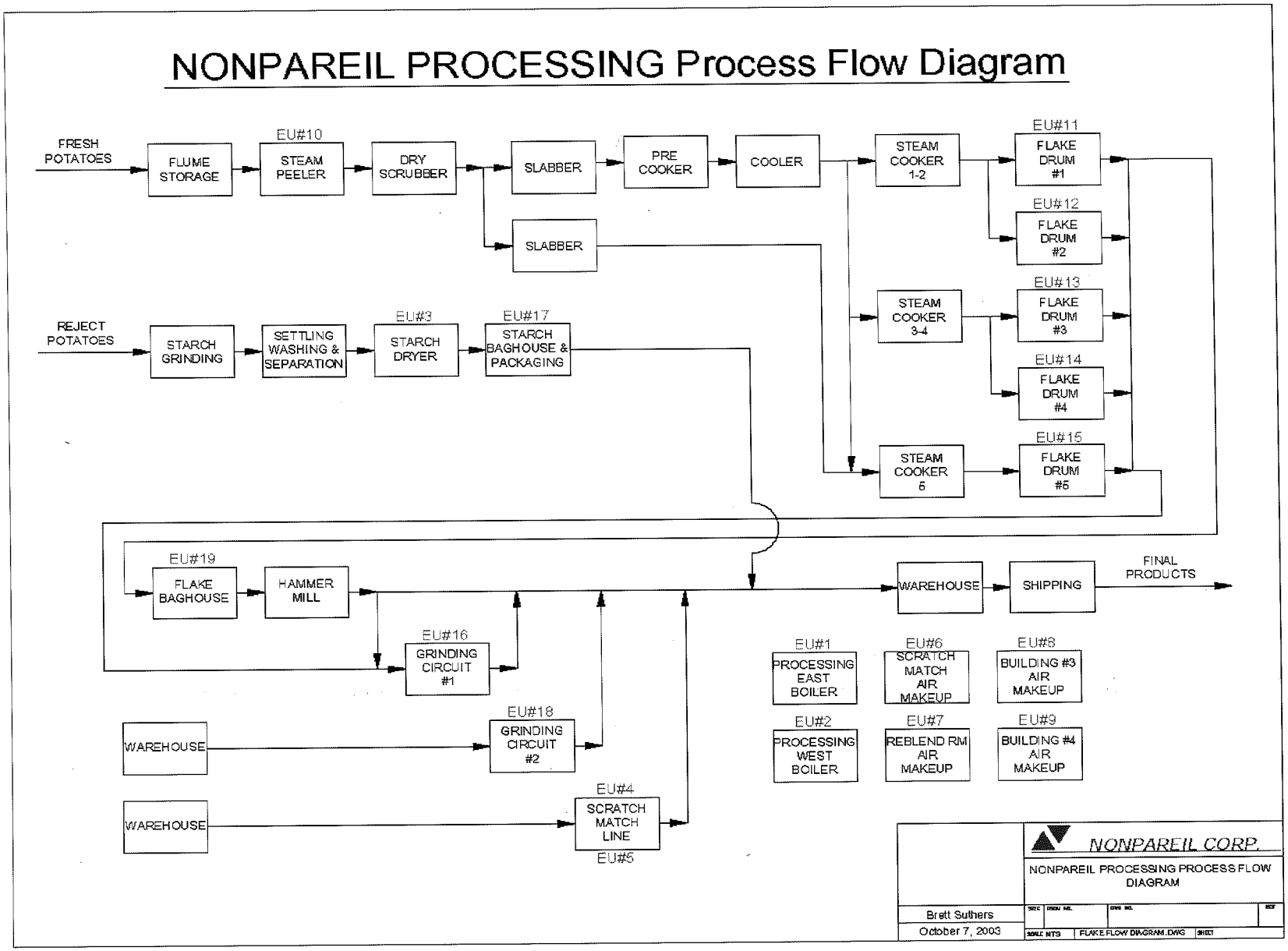

Figure 3-3 Nonpareil Location Map

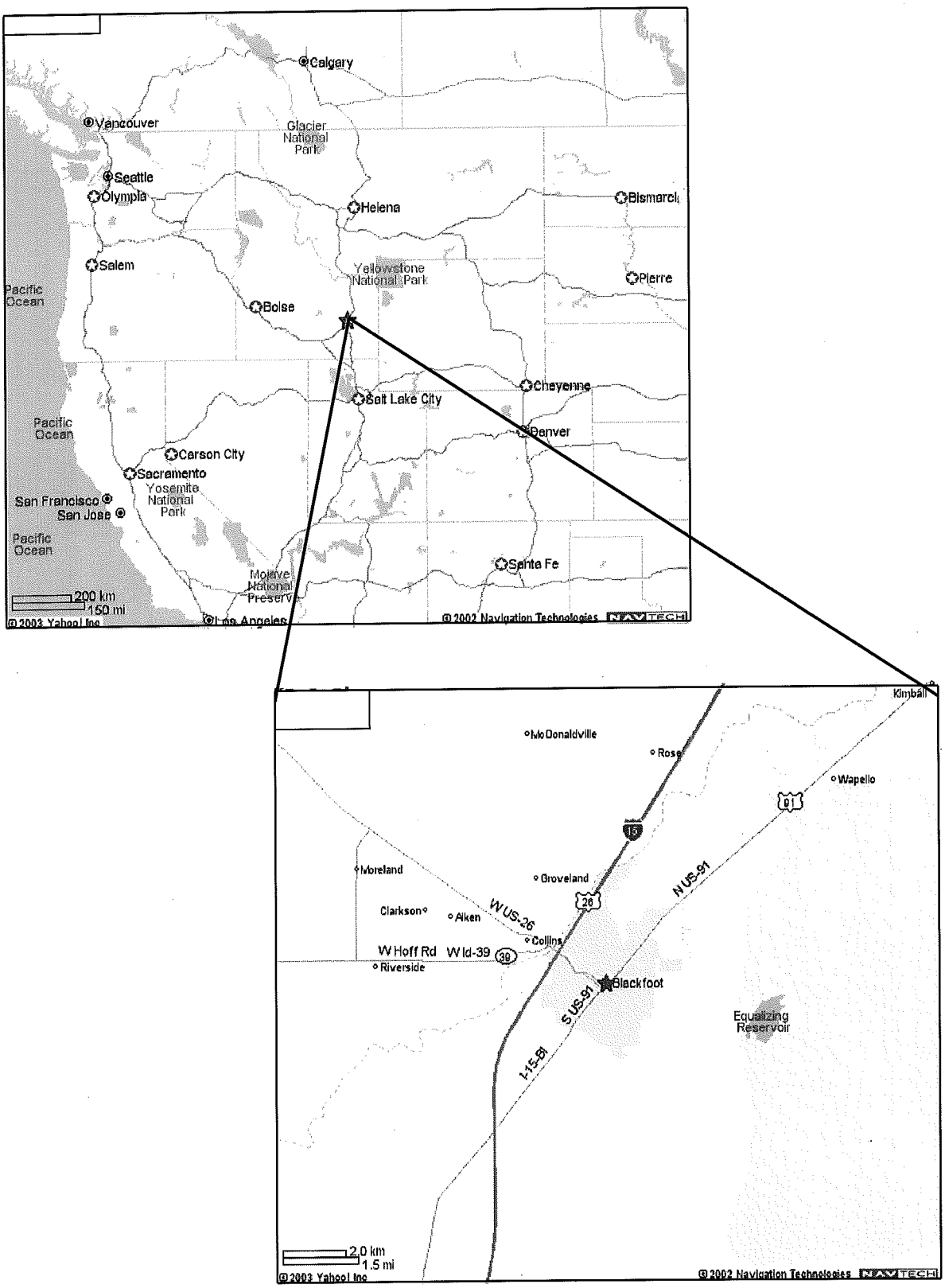

Figure 3-4 Nonpareil Plot Plan

SEE ORIGINAL
APPLICATION
FOR PLOT PLAN

4.0 PERMIT APPLICATION FORMS

Department of Environmental Quality
1410 N. Hilton
Boise, ID 83706
For assistance, call the Air Permit Hotline: 1-877-5PERMIT

Form #AQ-F-P004
Revision: 1
12/15/06

AIR QUALITY TIER I OPERATING PERMIT APPLICATION

SECTION 1: GENERAL INFORMATION

Company & Division Name: Nonpareil Corporation

Company Mailing Address: 40 North 400 West

City: Blackfoot **State:** ID **Zip:** 83221

Company Environmental Contact Name: Brett Suthers

Title: Engineering Manager **Phone:** 208-785-5880

Company Owner or Responsible Official Name: Brett Suthers

Title: Engineering Manager **Phone:** 208-785-5880

Exact Plant Location: Due west of Blackfoot ¾ of a mile

General Nature of Business: Potato Processing Plant

No. Full-time Employees: 450-500 **Property Area (acres):** 523.7

Reason for Application:

- ☒ Initial Tier I permit to operate
- ☐ Renewal Tier I permit to operate
- ☐ Modification/Amendment of existing Tier I permit to operate
- ☐ Change of ownership or location

Distance to Nearest State Border (miles): 66.4

Primary SIC: 2034 **Secondary SIC:** None

Plant Location County: Bingham **Elevation (ft):** 4498

UTM Zone: 12

UTM (X) Coordinate (kM): 388 **UTM (Y) Coordinate (kM):** 4784

LIST ALL FACILITIES WITHIN THE STATE THAT ARE UNDER YOUR CONTROL OR UNDER COMMON CONTROL AND HAVE EMISSIONS TO THE AIR. IF NOT, SO STATE.

Name of Facility	Location of Other Facility
Idaho Potato Packers	Blackfoot, Idaho
Nonpareil Dehydrated	Blackfoot, Idaho
Nonpareil Processing	Blackfoot, Idaho
Owner or Responsible Official	Walter Gay
Title of Responsible Official	Vice President Operations

Certification of Truth, Accuracy, and Completeness (by Responsible Official)
I hereby certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this and any attached and/or referenced document(s) are true, accurate, and complete in accordance with IDAPA 58.01.01.123-124.

Responsible Official Signature

Engineering Manger
Responsible Official Title

5/2/2008
Date

Brett Suthers
Print or Type Responsible Official Name

SECTION 2: FUEL BURNING EQUIPMENT PROCESSING WEST BOILER

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	PROCESSING WEST BOILER				
STACK DESCRIPTION	POINT SOURCE				
BUILDING DESCRIPTION	PROCESS PLANT BOILER ROOM				
MANUFACTURER	ERIE CITY	MODEL	SA60H-21	DATE INSTALLED	1990
				DATE LAST MODIFIED	Never

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	40.5	BURNER TYPE	LOW-NOx
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	0
HORSEPOWER			

FUEL DATA**

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	4	na
PERCENT SULFUR	<0.001	%	1.55	%
PERCENT ASH	0	%	0.02	%
PERCENT NITROGEN	3.4	%	0.18	%
PERCENT CARBON	72.5	%	84	%
PERCENT HYDROGEN	23.8	%	11	%
PERCENT MOISTURE	0	%	<2.0	%
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf	150,000	BTU/gal
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	39705.88	SCF/HR	270.00	GAL/HR
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	347.82	MMSCF/YR**	2.01	MMGAL/YR**

*Not applicable **Assumes west boiler will be the one operating on NG.

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;

05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);

07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;

11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL

06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;

10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL

14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B

PROCESSING WEST BOILER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	50
BUILDING/AREA WIDTH (FT)	40

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	60
STACK EXIT DIAMETER (FT)	2.95
STACK EXIT GAS FLOWRATE (ACFM)	9149
STACK EXIT TEMPERATURE (DEG. F)	410

AIR POLLUTANT EMISSIONS**

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	5.12E+00	na	na	na
PM-10		7.60E-06	lb/scf	0	5.12E+00	5.52	21.01	Tier II OP, No. 011-00027 Combined for East and West Boilers
SO2		6.00E-07	lb/scf	0	6.65E+01	66.573	248.02	Tier II OP, No. 011-00027 Combined for East and West Boilers
CO		8.40E-05	lb/scf	0	3.34E+00	na	na	na
NOX		1.00E-04	lb/scf	0	1.49E+01	na	na	na
VOC		5.50E-06	lb/scf	0	3.46E-01	na	na	na
LEAD		5.00E-10	lb/scf	0	4.00E-03	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. EF for residual oil from AP-42, Table 1.3-1,3,11, 1998.

**Assumes east boiler will be the one operating on NG.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL-BURNING EQUIPMENT

DEQ USE ONLY			
DEQ Plant ID Code		DEQ Stack ID Code	
DEQ Building Code		Primary SCC	
DEQ Segment Code		Secondary SCC	
DEQ Process Code			

SECTION 2, PART A.

GENERAL INFORMATION

Process Code or Description: East Processing Boiler
Stack Description: Point
Building Description: Process Plant Boiler Room
Manufacturer: Nebraska Boiler Company Model: NS-C-50 Date Installed: April 2008
Date Last Modified:

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

Million BTU/hr: 1000 lbs Steam/hr: 40 Kilowatts: Horsepower:
Burner Type: (see note below) % Used for Process: 100
% Used for Space Heat:

FUEL DATA

Parameter	Primary Fuel	Units	Secondary Fuel	Units
Fuel Code (see note below)	01		02	
Percent Sulfur	NA		0.5	
Percent Ash	NA			
Percent Nitrogen				
Percent Carbon				
Percent Hydrogen				
Percent Moisture				
Heat Content (BTU/unit)	1,000	Scf	140,000	gallon
Maximum Hourly Combustion Rate (units/hr)	52,360	Scf	340	gallon
Normal Annual Combustion Rate (units/hr)	52,360	Scf	340	gallon

Note:

Burner Type:
01 - Spread stoker
02 - Chain or Traveling Grate
03 - Hand Fired
04 - Cyclone Furnace
05 - Wet Bottom (pulverized coal)
06 - Dry Bottom (pulverized coal)
07 - Underfeed Stokers
08 - Tangentially Fired
09 - Horizontally Fired
10 - Axially Fired
11 - Other (specify): ____

Fuel Codes:
01 - Natural Gas
02 - #1 or #2 Fuel Oil
03 - #4 Fuel Oil
04 - #5 or #6 Fuel Oil
05 - Used Oil
06 - Wood Chips
07 - Wood Bark
08 - Wood Shavings
09 - Sander Dust
10 - Subbituminous Coal
11 - Bituminous Coal
12 - Anthracite Coal
13 - Lignite Coal
14 - Propane
15 - Other (specifiy): ____

SECTION 2, PART B.

OPERATING DATA

Percent Fuel Consumption Per Quarter	
Dec – Feb	25
Mar – May	25
Jun – Aug	25
Sep – Nov	25

Operating Schedule	
Hours/Day	24
Days/Week	7
Weeks/Year	52

POLLUTION CONTROL EQUIPMENT

Parameter	Primary	Secondary
Type	NA	NA
Type Code (from APP.A)		
Manufacturer		
Model Number		
Pressure Drop (in. of water)		
Wet Scrubber Flow (GPM)		
Baghouse Air/Cloth Ration (FPM)		

VENTILATION AND BUILDING/AREA DATA

Enclosed?	☐ Yes ☒ No
Hood Type (from APP.B)	
Minimum Flow (acfm)	
Percent Capture Efficiency	
Building Height (ft)	16.5
Building/Area Length (ft)	50
Building/Area Width (ft)	40

STACK DATA

Ground Elevation (ft)	4498
UTM X Coordinate (km)	388.318
UTM Y Coordinate (km)	4,784
Stack Type (see note below)	03
Stack Exit Height from Ground Level (ft)	45 ft or 60 ft
Stack Exit Diameter (ft)	3.0 ft
Stack Exit Gas Flowrate (acfm)	14,353 or 13,952
Stack Exit Temperature (°F)	335

AIR POLLUTION EMISSIONS

Pollutant	CAS #	Emission Factor (see below)	Percent Control Efficiency	Estimated or Measured Emissions (lbs/hr)	Allowable Emissions lbs/hr	Allowable Emissions tons/yr	Reference
PM							
PM_{10}		7.6 lb/MMscf		0.40	5.52	21.01	Combined for E&W boilers
SO_2		0.6 lb/MMscf		0.03	66.57	248.02	
CO		84 lb/MMscf		4.40			
NO_x		50 lb/MMscf		2.62			
VOC		5.5 lb/MMscf		1.26			
Lead							

Note: Stack Type: 01 – Downward; 02 – Vertical (uncovered); 03 – Vertical (covered); 04 – Horizontal; 05 - Fugitive
Emission Factor in lbs/units. Please use same hourly units given in fuel data section.

SECTION 2: FUEL BURNING EQUIPMENT STARCH DRYER

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIO	STARCH DRYER				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	STARCH PLANT				
MANUFACTURER	MAXON	MODEL	MAXON 445	DATE INSTALLED	1961
				DATE LAST MODIFIED	1961

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	4.2	BURNER TYPE	9
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	0
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	4117.65	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	36.07	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B STARCH DRYER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	100
BUILDING/AREA WIDTH (FT)	50

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28
STACK EXIT DIAMETER (FT)	2
STACK EXIT GAS FLOWRATE (ACFM)	5,600
STACK EXIT TEMPERATURE (DEG. F)	92

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	3.13E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	3.13E-02	0.37	1.6	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.47E-03	na	na	na
CO		8.40E-05	lb/scf	0	3.46E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.12E-01	na	na	na
VOC		5.50E-06	lb/scf	0	2.26E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	2.06E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT SCRATCH MASH DRYER

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	SCRATCH MATCH DRYER				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	PROCESSING PLANT REBLENDING ROOM				
MANUFACTURER	MAXON	MODEL	MAXON 500	DATE INSTALLED	1997
				DATE LAST MODIFIED	1997

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	5.5	BURNER TYPE	9
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	5392.16	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	47.24	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B SCRATCH MASH DRYERS

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	45
STACK EXIT DIAMETER (FT)	2.95
STACK EXIT GAS FLOWRATE (ACFM)	22,700
STACK EXIT TEMPERATURE (DEG. F)	91

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	4.10E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	4.10E-02	2.56	11.20	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	3.24E-03	na	na	na
CO		8.40E-05	lb/scf	0	4.53E-01	na	na	na
NOX		1.00E-04	lb/scf	0	5.39E-01	na	na	na
VOC		5.50E-06	lb/scf	0	2.97E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	2.70E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT SCRATCH MASH AIR MAKEUP

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	SCRATCH MATCH AIR MAKEUP				
STACK DESCRIPTION	VOLUME				
BUILDING DESCRIPTION	PROCESSING PLANT REBLEND ROOM				
MANUFACTURER	HARTZELL	MODEL	NA	DATE INSTALLED	1997
				DATE LAST MODIFIED	1997

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	5	BURNER TYPE	9
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	4901.96	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	42.94	MMSCF/YR		

*Not Available

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B SCRATCH MASH AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	NA
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	3.73E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	3.73E-02	0.04	0.16	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.94E-03	na	na	na
CO		8.40E-05	lb/scf	0	4.12E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.90E-01	na	na	na
VOC		5.50E-06	lb/scf	0	2.70E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	2.45E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT REBLEND ROOM AIR MAKEUP

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	REBLEND ROOM AIR MAKEUP				
STACK DESCRIPTION	VOLUME				
BUILDING DESCRIPTION	PROCESSING PLANT REBLEND ROOM				
MANUFACTURER	HARTZELL	MODEL	IGMP10	DATE INSTALLED	1970
				DATE LAST MODIFIED	1970

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	1	BURNER TYPE	9
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	980.39	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	8.59	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B REBLEND ROOM AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	NA
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	7.45E-03	na	na	na
PM-10		7.60E-06	lb/scf	0	7.45E-03	0.01	0.03	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	5.88E-04	na	na	na
CO		8.40E-05	lb/scf	0	8.24E-02	na	na	na
NOX		1.00E-04	lb/scf	0	9.80E-02	na	na	na
VOC		5.50E-06	lb/scf	0	5.39E-03	na	na	na
LEAD		5.00E-10	lb/scf	0	4.90E-07	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT BUILDING # 3 AIR MAKEUP

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIO	BUILDING # 3 AIR MAKEUP				
STACK DESCRIPTION	VOLUME				
BUILDING DESCRIPTION	PROCESSING PANT BUILDING # 3				
MANUFACTURER	HARTZELL	MODEL	IGMP30	DATE INSTALLED	1965
				DATE LAST MODIFIED	1965

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	3	BURNER TYPE	9
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	2941.18	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	25.76	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B BUILDING #3 AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	65
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	NA
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.24E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.24E-02	0.02	0.1	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.76E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.47E-01	na	na	na
NOX		1.00E-04	lb/scf	0	2.94E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.62E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	1.47E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT BUILDING # 4 AIR MAKEUP

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	BUILDING # 4 AIR MAKEUP				
STACK DESCRIPTION	VOLUME				
BUILDING DESCRIPTION	PROCESSING PLANT BUILDING # 4				
MANUFACTURER	HARTZELL	MODEL	NA	DATE INSTALLED	1965
				DATE LAST MODIFIED	1965

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	10	BURNER TYPE	9
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	9803.92	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	85.88	MMSCF/YR		

*Not Available

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B BUILDING #4 AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	100
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	NA
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	7.45E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	7.45E-02	0.08	0.33	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	5.88E-03	na	na	na
CO		8.40E-05	lb/scf	0	8.24E-01	na	na	na
NOX		1.00E-04	lb/scf	0	9.80E-01	na	na	na
VOC		5.50E-06	lb/scf	0	5.39E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	4.90E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION NORTH BOILER

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIO	DEHYDRATION NORTH BOILER				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION BOILER ROOM				
MANUFACTURER	HIGHLANDER	MODEL	250-3	DATE INSTALLED	1973
				DATE LAST MODIFIED	1973

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	10.5	BURNER TYPE	9
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	10294.12	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	90.18	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION NORTH BOILER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	45
BUILDING/AREA WIDTH (FT)	50

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28
STACK EXIT DIAMETER (FT)	1.6
STACK EXIT GAS FLOWRATE (ACFM)	2,430
STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	7.82E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	7.82E-02	0.08	0.34	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	6.18E-03	na	na	na
CO		8.40E-05	lb/scf	0	8.65E-01	na	na	na
NOX		1.00E-04	lb/scf	0	1.03E+00	na	na	na
VOC		5.50E-06	lb/scf	0	5.66E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	5.15E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION SOUTH BOILER

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION SOUTH BOILER				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION BOILER ROOM				
MANUFACTURER	HIGHLANDER	MODEL	200-111	DATE INSTALLED	1973
				DATE LAST MODIFIED	1973

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	8.4	BURNER TYPE	9
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	8235.29	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	72.14	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION SOUTH BOILER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	45
BUILDING/AREA WIDTH (FT)	50

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28
STACK EXIT DIAMETER (FT)	2.95
STACK EXIT GAS FLOWRATE (ACFM)	1,880
STACK EXIT TEMPERATURE (DEG. F)	380

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	6.26E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	6.26E-02	0.03	0.27	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	4.94E-03	na	na	na
CO		8.40E-05	lb/scf	0	6.92E-01	na	na	na
NOX		1.00E-04	lb/scf	0	8.24E-01	na	na	na
VOC		5.50E-06	lb/scf	0	4.53E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	4.12E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 1 A STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIO	DEHYDRATION AIR DRYER # 1 A STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 1,2,3				
MANUFACTURER	PROCTOR	MODEL	432	DATE INSTALLED	1973
				DATE LAST MODIFIED	1973

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	6.4	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	6274.51	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	54.96	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #1 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (F	41
STACK EXIT DIAMETER (FT)	2.6
STACK EXIT GAS FLOWRATE (ACFM)	13,000
STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	4.77E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	4.77E-02	1.47	6.4	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	3.76E-03	na	na	na
CO		8.40E-05	lb/scf	0	5.27E-01	na	na	na
NOX		1.00E-04	lb/scf	0	6.27E-01	na	na	na
VOC		5.50E-06	lb/scf	0	3.45E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	3.14E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 1 B&C STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 1 B&C STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 1,2,3				
MANUFACTURER	PROCTOR	MODEL	432	DATE INSTALLED	1973
				DATE LAST MODIFIED	1973

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	2.8	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	2745.10	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	24.05	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #1 STAGE B&C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2.95
STACK EXIT GAS FLOWRATE (ACFM)	8,000
STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.09E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.09E-02	0.65	2.8	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.65E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.31E-01	na	na	na
NOX		1.00E-04	lb/scf	0	2.75E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.51E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	1.37E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 2 A STAGE

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 2 A STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 1,2,3				
MANUFACTURER	PROCTOR	MODEL	432	DATE INSTALLED	1973
				DATE LAST MODIFIED	1973

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	6.4	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	6274.51	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	54.96	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #2 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2.6
STACK EXIT GAS FLOWRATE (ACFM)	13,000
STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	4.77E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	4.77E-02	1.47	6.4	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	3.76E-03	na	na	na
CO		8.40E-05	lb/scf	0	5.27E-01	na	na	na
NOX		1.00E-04	lb/scf	0	6.27E-01	na	na	na
VOC		5.50E-06	lb/scf	0	3.45E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	3.14E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 2 B&C STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 2 B&C STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 1,2,3				
MANUFACTURER	PROCTOR	MODEL	432	DATE INSTALLED	1973
				DATE LAST MODIFIED	1973

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	2.8	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	2745.10	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	24.05	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B

DEHYDRATION DRYER #2 STAGE B&C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2.95
STACK EXIT GAS FLOWRATE (ACFM)	8,000
STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.09E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.09E-02	0.65	2.8	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.65E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.31E-01	na	na	na
NOX		1.00E-04	lb/scf	0	2.75E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.51E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	1.37E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 3 A STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 3 A STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 1,2,3				
MANUFACTURER	PROCTOR	MODEL	432	DATE INSTALLED	1973
				DATE LAST MODIFIED	1973

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	6.4	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	6274.51	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	54.96	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #3 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2.6
STACK EXIT GAS FLOWRATE (ACFM)	13,000
STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	4.77E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	4.77E-02	1.47	6.4	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	3.76E-03	na	na	na
CO		8.40E-05	lb/scf	0	5.27E-01	na	na	na
NOX		1.00E-04	lb/scf	0	6.27E-01	na	na	na
VOC		5.50E-06	lb/scf	0	3.45E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	3.14E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 3 B&C STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 3 B&C STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4&5				
MANUFACTURER	PROCTOR	MODEL	NONE	DATE INSTALLED	1989
				DATE LAST MODIFIED	1989

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	2.8	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	2745.10	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	24.05	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #3 STAGE B&C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2.6
STACK EXIT GAS FLOWRATE (ACFM)	8,670
STACK EXIT TEMPERATURE (DEG. F)	187

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.09E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.09E-02	0.65	2.8	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.65E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.31E-01	na	na	na
NOX		1.00E-04	lb/scf	0	2.75E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.51E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	1.37E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 4 A STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 4 A STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4&5				
MANUFACTURER	PROCTOR	MODEL	NONE	DATE INSTALLED	1989
				DATE LAST MODIFIED	1989

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	4.77	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	4676.47	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	40.97	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #4 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	130
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2.6
STACK EXIT GAS FLOWRATE (ACFM)	10,800
STACK EXIT TEMPERATURE (DEG. F)	160

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	3.55E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	3.55E-02	1.1	4.8	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.81E-03	na	na	na
CO		8.40E-05	lb/scf	0	3.93E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.68E-01	na	na	na
VOC		5.50E-06	lb/scf	0	2.57E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	2.34E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 4 B STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 4 B STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4&5				
MANUFACTURER	PROCTOR	MODEL	NONE	DATE INSTALLED	1989
				DATE LAST MODIFIED	1989

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	0.33	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	323.53	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	2.83	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #4 STAGE B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	130
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	23
STACK EXIT DIAMETER (FT)	2
STACK EXIT GAS FLOWRATE (ACFM)	4,000
STACK EXIT TEMPERATURE (DEG. F)	150

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.46E-03	na	na	na
PM-10		7.60E-06	lb/scf	0	2.46E-03	0.47	2.1	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.94E-04	na	na	na
CO		8.40E-05	lb/scf	0	2.72E-02	na	na	na
NOX		1.00E-04	lb/scf	0	3.24E-02	na	na	na
VOC		5.50E-06	lb/scf	0	1.78E-03	na	na	na
LEAD		5.00E-10	lb/scf	0	1.62E-07	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 4 C STAGE

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 4 B STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4&5				
MANUFACTURER	PROCTOR	MODEL	NONE	DATE INSTALLED	1989
				DATE LAST MODIFIED	1989

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	0.3	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	294.12	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	2.58	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #4 STAGE C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	130
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	23
STACK EXIT DIAMETER (FT)	1.6
STACK EXIT GAS FLOWRATE (ACFM)	1,600
STACK EXIT TEMPERATURE (DEG. F)	130

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.24E-03	na	na	na
PM-10		7.60E-06	lb/scf	0	2.24E-03	0.47	2.1	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.76E-04	na	na	na
CO		8.40E-05	lb/scf	0	2.47E-02	na	na	na
NOX		1.00E-04	lb/scf	0	2.94E-02	na	na	na
VOC		5.50E-06	lb/scf	0	1.62E-03	na	na	na
LEAD		5.00E-10	lb/scf	0	1.47E-07	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 5 A STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 5 A STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4&5				
MANUFACTURER	PROCTOR	MODEL	NONE	DATE INSTALLED	1992
				DATE LAST MODIFIED	1992

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	10.4	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	10196.08	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	89.32	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #5 STAGE A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	3
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	130
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	3.3
STACK EXIT GAS FLOWRATE (ACFM)	24,600
STACK EXIT TEMPERATURE (DEG. F)	160

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	7.75E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	7.75E-02	1.78	7.8	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	6.12E-03	na	na	na
CO		8.40E-05	lb/scf	0	8.56E-01	na	na	na
NOX		1.00E-04	lb/scf	0	1.02E+00	na	na	na
VOC		5.50E-06	lb/scf	0	5.61E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	5.10E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 5 B STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIO	DEHYDRATION AIR DRYER # 5 B STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4&5				
MANUFACTURER	PROCTOR	MODEL	NONE	DATE INSTALLED	1992
				DATE LAST MODIFIED	1992

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	3.2	BURNER TYPE	10
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	3137.25	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	27.48	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #5 STAGE B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	130
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2.6
STACK EXIT GAS FLOWRATE (ACFM)	11,000
STACK EXIT TEMPERATURE (DEG. F)	150

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.38E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.38E-02	0.77	3.4	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.88E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.64E-01	na	na	na
NOX		1.00E-04	lb/scf	0	3.14E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.73E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	1.57E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION AIR DRYER # 5 C STAGE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	DEHYDRATION AIR DRYER # 5 C STAGE				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4&5				
MANUFACTURER	PROCTOR	MODEL	NONE	DATE INSTALLED	1992
				DATE LAST MODIFIED	1992

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	3.3	BURNER TYPE	10		
1000 LBS STEAM/HR		% USED FOR PROCESS	100		
KILOWATTS		% USED FOR SPACE HEAT			
HORSEPOWER					

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	3235.29	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	28.34	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION DRYER #5 STAGE C

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	130
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	41
STACK EXIT DIAMETER (FT)	2
STACK EXIT GAS FLOWRATE (ACFM)	7,000
STACK EXIT TEMPERATURE (DEG. F)	130

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.46E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.46E-02	0.77	3.4	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	1.94E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.72E-01	na	na	na
NOX		1.00E-04	lb/scf	0	3.24E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.78E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	1.62E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT WET AREA AIR MAKEUP

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	WET AREA AIR MAKEUP				
STACK DESCRIPTION	VOLUME				
BUILDING DESCRIPTION	DEHYDRATION WET AREA				
MANUFACTURER	HARTZELL	MODEL	IGMP35	DATE INSTALLED	1975
				DATE LAST MODIFIED	1975

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	3.5	BURNER TYPE	9		
1000 LBS STEAM/HR		% USED FOR PROCESS	100		
KILOWATTS		% USED FOR SPACE HEAT			
HORSEPOWER					

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	3431.37	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	30.06	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B WET AREA AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	80
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.61E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.61E-02	0.03	0.11	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.06E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.88E-01	na	na	na
NOX		1.00E-04	lb/scf	0	3.43E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.89E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	1.72E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT SOUTH DRYER ROOM 4&5 AIR MAKEUP

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	SOUTH DRYER ROOM 4&5 AIR MAKEUP				
STACK DESCRIPTION	VOLUME				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4 & 5				
MANUFACTURER	HARTZELL	MODEL	IGMP50	DATE INSTALLED	1989
				DATE LAST MODIFIED	1989

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	5	BURNER TYPE	9		
1000 LBS STEAM/HR		% USED FOR PROCESS	100		
KILOWATTS		% USED FOR SPACE HEAT			
HORSEPOWER					

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	4901.96	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	42.94	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B SOUTH DRYER ROOM 4&5 AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	130
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	NA
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	3.73E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	3.73E-02	0.04	0.16	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.94E-03	na	na	na
CO		8.40E-05	lb/scf	0	4.12E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.90E-01	na	na	na
VOC		5.50E-06	lb/scf	0	2.70E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	2.45E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT SOUTH DRYER ROOM 4&5 ROOF AIR MAKEUP

DEQ USE ONLY

DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE
DEQ BUILDING CODE	PRIMARY SCC	SECONDARY SCC
DEQ SEGMENT CODE		

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIO	SOUTH DRYER ROOM 4&5 ROOF AIR MAKEUP				
STACK DESCRIPTION	VOLUME				
BUILDING DESCRIPTION	DEHYDRATION DRYER ROOM 4 & 5				
MANUFACTURER	HARTZELL	MODEL	IGMP50	DATE INSTALLED	1991
				DATE LAST MODIFIED	1991

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	5	BURNER TYPE	9
1000 LBS STEAM/HR		% USED FOR PROCESS	100
KILOWATTS		% USED FOR SPACE HEAT	
HORSEPOWER			

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	4901.96	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	42.94	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B SOUTH DRYER ROOM 4&5 ROOF AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	130
BUILDING/AREA WIDTH (FT)	80

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	NA
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	3.73E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	3.73E-02	0.04	0.16	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.94E-03	na	na	na
CO		8.40E-05	lb/scf	0	4.12E-01	na	na	na
NOX		1.00E-04	lb/scf	0	4.90E-01	na	na	na
VOC		5.50E-06	lb/scf	0	2.70E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	2.45E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT INSPECTION ROOM ROOF AIR MAKEUP

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	INSPECTION ROOM ROOF AIR MAKEUP				
STACK DESCRIPTION	VOLUME				
BUILDING DESCRIPTION	DEHYDRATION INSPECTION ROOM				
MANUFACTURER	HARTZELL	MODEL	IGMP35	DATE INSTALLED	1985
				DATE LAST MODIFIED	1985

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	3.5	BURNER TYPE	9		
1000 LBS STEAM/HR		% USED FOR PROCESS	100		
KILOWATTS		% USED FOR SPACE HEAT			
HORSEPOWER					

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	3431.37	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	30.06	MMSCF/YR		

*Not applicable

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B INSPECTION ROOM ROOF AIR MAKEUP

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	80
BUILDING/AREA WIDTH (FT)	130

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	NA
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	SOURCE HEIGHT = 10 FT
STACK EXIT DIAMETER (FT)	NA
STACK EXIT GAS FLOWRATE (ACFM)	NA
STACK EXIT TEMPERATURE (DEG. F)	NA

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	2.61E-02	na	na	na
PM-10		7.60E-06	lb/scf	0	2.61E-02	0.03	0.11	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	2.06E-03	na	na	na
CO		8.40E-05	lb/scf	0	2.88E-01	na	na	na
NOX		1.00E-04	lb/scf	0	3.43E-01	na	na	na
VOC		5.50E-06	lb/scf	0	1.89E-02	na	na	na
LEAD		5.00E-10	lb/scf	0	1.72E-06	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 2: FUEL BURNING EQUIPMENT DEHYDRATION RESEARCH DRYER

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIO	DEHYDRATION RESEARCH DRYER				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	DEHYDRATION R & D ROOM				
MANUFACTURER	CARRIER	MODEL	NONE	DATE INSTALLED	1992
				DATE LAST MODIFIED	1992

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR	0.88	BURNER TYPE	9		
1000 LBS STEAM/HR		% USED FOR PROCESS	100		
KILOWATTS		% USED FOR SPACE HEAT			
HORSEPOWER					

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)	1	na*	None	
PERCENT SULFUR	<0.001	%		
PERCENT ASH	0	%		
PERCENT NITROGEN	3.4	%		
PERCENT CARBON	72.5	%		
PERCENT HYDROGEN	23.8	%		
PERCENT MOISTURE	0	%		
HEAT CONTENT (BTU/UNIT)	1,020	BTU/scf		
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)	862.75	SCF/HR		
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	7.56	MMSCF/YR		

*Not Available

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE; 15) OTHER (SPECIFY)

SECTION 2, FUEL BURNING EQUIPMENT - PART B DEHYDRATION RESEARCH DRYER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.6
BUILDING/AREA LENGTH (FT)	80
BUILDING/AREA WIDTH (FT)	50

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	3
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	24
STACK EXIT DIAMETER (FT)	0.5
STACK EXIT GAS FLOWRATE (ACFM)	70
STACK EXIT TEMPERATURE (DEG. F)	95

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		7.60E-06	lb/scf	0	6.56E-03	na	na	na
PM-10		7.60E-06	lb/scf	0	6.56E-03	0.18	0.8	Tier II OP, No. 011-00027
SO2		6.00E-07	lb/scf	0	5.18E-04	na	na	na
CO		8.40E-05	lb/scf	0	7.25E-02	na	na	na
NOX		1.00E-04	lb/scf	0	8.63E-02	na	na	na
VOC		5.50E-06	lb/scf	0	4.75E-03	na	na	na
LEAD		5.00E-10	lb/scf	0	4.31E-07	na	na	na

*EF for NG from AP-42, Table 1.4-1,2, 1998. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS STARCH DRYER

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	STARCH DRYER				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	STARCH PLANT				
MANUFACTURER	MAXON	MODEL	445	DATE INSTALLED	1961
				DATE LAST MODIFIED	1961

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	POTATOES	1,135.00	1,135.00	LB/HR
PRODUCT OUTPUT	POTATOES	1,134.67	1,134.67	LB/HR
WASTE OUTPUT	PARTICULATE	0.33	0.33	LB/HR
RECYCLE	NONE			

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER		FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUC STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
NONE						

SECTION 3, PROCESS AND MANUFACTURING - PART B STARCH DRYER

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	100
BUILDING/AREA WIDTH (FT)	50

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	28
STACK EXIT DIAMETER (FT)	2
STACK EXIT GAS FLOWRATE (ACFM)	5,600
STACK EXIT TEMPERATURE (DEG. F)	92

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		2.95E-04	lb/lb	0	3.35E-01	NA		
PM-10		2.95E-04	lb/lb	0	3.35E-01	0.37	1.6	Tier II OP, No. 011-00027
SO2		NA						
CO		NA						
NOX		NA						
VOC		NA						
LEAD		NA						

*EF for NG from AP-42, Table 9.9.7-1, 1986. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

SCRATCH MASH DRYER

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	SCRATCH MASH DRYER				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	PROCESSING PLANT REBLEND ROOM				
MANUFACTURER	MAXON	MODEL	500	DATE INSTALLED	1997
				DATE LAST MODIFIED	1997

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	POTATOES	1,800.00	1,800.00	LB/HR
PRODUCT OUTPUT	POTATOES	1,797.48	1,797.48	LB/HR
WASTE OUTPUT	PARTICULATE	2.52	2.52	LB/HR
RECYCLE	NONE			

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER		FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUC STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
NONE						

SECTION 3, PROCESS AND MANUFACTURING - PART B SCRATCH MASH DRYERS

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	None	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	90
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	45
STACK EXIT DIAMETER (FT)	2.95
STACK EXIT GAS FLOWRATE (ACFM)	22,700
STACK EXIT TEMPERATURE (DEG. F)	92

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	Units	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		1.40E-03	lb/lb	0	2.52E+00	NA		
PM-10		1.40E-03	lb/lb	0	2.52E+00	2.56	11.20	Tier II OP, No. 011-00027
SO2		NA						
CO		NA						
NOX		NA						
VOC		NA						
LEAD		NA						

*EF from Mass Balance

** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS PROCESS PEELER EXHAUST

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	PROCESS PEELER EXHAUST				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	PROCESSING PLANT BUILDING # 3				
MANUFACTURER	ODENBURGE	MODEL	1500	DATE INSTALLED	1985
				DATE LAST MODIFIED	1985

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	RAW POTATOES	5,000.00	5,000.00	LB/HR
PRODUCT OUTPUT	PEELED RAW POTATOES	4,999.84	4,999.84	LB/HR
WASTE OUTPUT	PARTICULATE	0.16	0.16	LB/HR
RECYCLE	NONE			

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
NONE					

SECTION 3, PROCESS AND MANUFACTURING - PART B PROCESS PEELER EXHAUST

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE	
HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	SECONDARY
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	65
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	24
STACK EXIT DIAMETER (FT)	2
STACK EXIT GAS FLOWRATE (ACFM)	38
STACK EXIT TEMPERATURE (DEG. F)	190

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		0.000032	0	0.16	NA		
PM-10		0.000032	0	0.16	0.16	0.7	Tier II OP No. 011-00027
SO2		NA					
CO		NA					
NOX		NA					
VOC		NA					
LEAD		NA					

*EF from Mass Balance ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

FLAKER NO. 1

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	FLAKER NO. 1				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	PROCESSING BUILDING # 4				
MANUFACTURER	BLAU-KNOX	MODEL	6 X 16	DATE INSTALLED	1970
				DATE LAST MODIFIED	1970

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	POTATOES	1,250.00	1,250.00	LB/HR
PRODUCT OUTPUT	POTATOES	1,246.21	1,246.21	LB/HR
WASTE OUTPUT	PARTICULATE	3.79	3.79	LB/HR
RECYCLE	NONE			

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER		FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
NONE						

SECTION 3, PROCESS AND MANUFACTURING - PART B FLAKER 1

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY: NONE	SECONDARY:
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	65
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	54
STACK EXIT DIAMETER (FT)	3
STACK EXIT GAS FLOWRATE (ACFM)	20,000
STACK EXIT TEMPERATURE (DEG. F)	120

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		0.003035	0	3.79375	NA		
PM-10		0.003035	0	3.79375	16.7	73.11	Tier II OP No. 011-00027
SO2		NA					
CO		NA					
NOX		NA					
VOC		NA					
LEAD		NA					

*EF from AP-42, Appndix B.9.9.1, 1986. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS FLAKER NO. 2

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	FLAKER NO. 2				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	PROCESSING BUILDING # 4				
MANUFACTURER	BLAU-KNOX	MODEL	6 X 16	DATE INSTALLED	1970
				DATE LAST MODIFIED	1970

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	POTATOES	1,250.00	1,250.00	LB/HR
PRODUCT OUTPUT	POTATOES	1,246.21	1,246.21	LB/HR
WASTE OUTPUT	PARTICULATE	3.79	3.79	LB/HR
RECYCLE	NONE			

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER		FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUC STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
NONE						

SECTION 3, PROCESS AND MANUFACTURING - PART B FLAKER 2

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	NONE	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	100
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	54
STACK EXIT DIAMETER (FT)	3
STACK EXIT GAS FLOWRATE (ACFM)	20,000
STACK EXIT TEMPERATURE (DEG. F)	120

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		0.003035	0	3.79375	NA		
PM-10		0.003035	0	3.79375	16.7	73.11	Tier II OP No. 011-00027
SO2		NA					
CO		NA					
NOX		NA					
VOC		NA					
LEAD		NA					

*EF from AP-42, Appndix B.9.9.1, 1986. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS FLAKER NO. 3

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	FLAKER NO. 3				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	PROCESSING BUILDING # 4				
MANUFACTURER	BLAU-KNOX	MODEL	5 X 16	DATE INSTALLED	1970
				DATE LAST MODIFIED	1970

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	POTATOES	1,000.00	1,000.00	LB/HR
PRODUCT OUTPUT	POTATOES	996.96	996.96	LB/HR
WASTE OUTPUT	PARTICULATE	3.04	3.04	LB/HR
RECYCLE	NONE			

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER		FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUC STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
NONE						

SECTION 3, PROCESS AND MANUFACTURING - PART B FLAKER 3

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER	
DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE	
HOURS/DAY	24
DAY/WEEK	7
WEEKS/YEAR	365

POLLUTION CONTROL EQUIPMENT

PARAMETER TYPE	PRIMARY	NONE	SECONDARY	
TYPE CODE (FROM APP. A)				
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	N
HOOD TYPE (FROM APP. B)	NA
MINIMUM FLOW (ACFM)	NA
PERCENT CAPTURE EFFICIENCY	NA
BUILDING HEIGHT (FT)	16.5
BUILDING/AREA LENGTH (FT)	100
BUILDING/AREA WIDTH (FT)	60

STACK DATA

GROUND ELEVATION (FT)	4,498
UTM X COORDINATE (KM)	388
UTM Y COORDINATE (KM)	4,784
STACK TYPE (SEE NOTE BELOW)	2
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	45
STACK EXIT DIAMETER (FT)	3
STACK EXIT GAS FLOWRATE (ACFM)	20,000
STACK EXIT TEMPERATURE (DEG. F)	120

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)*	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)**	(TONS/YR)	REFERENCE
PM		0.003035	0	3.035	NA		
PM-10		0.003035	0	3.035	16.7	73.11	Tier II OP No. 011-00027
SO2		NA					
CO		NA					
NOX		NA					
VOC		NA					
LEAD		NA					

*EF from AP-42, Appndix B.9.9.1, 1986. ** Summation of fuel burning and particulate emissions.

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS FLAKER NO. 4

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTIC	FLAKER NO. 4				
STACK DESCRIPTION	POINT				
BUILDING DESCRIPTION	PROCESSING BUILDING # 4				
MANUFACTURER	BLAU-KNOX	MODEL	5 X 16	DATE INSTALLED	1970
				DATE LAST MODIFIED	1970

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	POTATOES	1,000.00	1,000.00	LB/HR
PRODUCT OUTPUT	POTATOES	996.96	996.96	LB/HR
WASTE OUTPUT	PARTICULATE	3.04	3.04	LB/HR
RECYCLE	NONE			

POTENTIAL HAPS IN PROCESS STREAM(S)

HAP DESCRIPTION	HAP CAS NUMBER		FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUC STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT
NONE						